

2012	Local Oscillator	March
	Local Oscillator	
Mesilla Valley Radio Club		

This is a pdf file. It will print easily. A free pdf file reader is at <http://www.adobe.com>

Current Events			Table of Contents
Date	Event	Time	NM D-Star Academy Monthly Business Meeting Monthly Board Meeting Treasurer Report Club Location Club Officers Membership Application
M—F	6 m FM net 52.540	6:00 AM	
M, W, F	Informal Wal-Mart (W)	10:00 AM	
Mon	WTRA Swap Net 146.88	8 PM	
Wed	MVRC Net 146.64	6:45 PM	
March 03	Breakfast Club House	8 AM	
March 03	Business Meeting Club House	9 AM	
March 06	Builders Group Club House	7 PM	
March 07	Board Meet Club House	7 PM	
March 20	Builders Group Club House	7 PM	
For more events see http://www.n5bl.org/calendar			



More information at <http://swantenna.com>



N5BL Operating Position

The Articles for This Month

New Mexico D-STAR Academy

WB4AEJ

On Saturday, February 18th, 2012, the New Mexico D-STAR Academy convened at 8:00 AM at New Mexico Tech in the Mineral Science and Engineering Complex. Several of our MVRC members were in attendance including Dave Anderson (K5DLA), Fred Atkinson (WB4AEJ), Joe Gray (W5JG), Stephen Henderson (N6RHH), Tracy Hooker (KA5ECS), and Rob Truitt (KE5OFK). Also attending was a Las Cruces area ham by the name Cliff Rogers.

The classroom accommodated more than sixty people and it was packed to capacity. Topics covered were:

- o D-Star background and demo.
- o Linking / call sign routing (touched on radio programming, demo, and audience practice).
- o Third party hardware, software, and demo.
- o High speed (1.2 GHz) applications.
- o Hardware / software brainstorm session.

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- o D-Star as a useful tool for Emergency Communications.
- o Ins and Outs of repeater operation and maintenance.
- o Overflow, other topics, prize drawing, and wrap-up.

We found that D-STAR was a very well developed mode of digital communication. It allows both voice and data to be quickly carried via a local repeater or over the D-STAR backbone (also known as the Internet). It uses about half of the bandwidth utilized by standard FM communications.

You can either use a D-STAR equipped radio or add some hardware to your home PC and high speed Internet connections to access the D-STAR network. The latter is a great way to do it for people who are living in situations where they cannot set up an antenna.

Though D-STAR is carried via Internet, it does not go down if the Internet goes down. Local communications over the local area repeater continues without delay. Certain parts of the nation (such as Georgia) have deployed it extensively and are actively using it for ARES and RACES communication.

D-STAR can utilize servers that are known as reflectors to link multiple repeaters. Also, D-STAR is currently deployed in most parts of the world. Instruction on how to link and initiate communications via the repeaters were demonstrated.

Icom America was kind enough to lend two twelve hundred megahertz D-STAR radios to demonstrate how they could be used to provide a data link between D-STAR systems.

Much of the presentation was done by New Mexico's own Brian Mileschosky (N5ZGT). We were also joined via Internet by John Davis WB4QDX of Lawrenceville, GA (John was very active in the deployment of D-STAR in Georgia by securing a grant to develop their network. He is also very active in the use of D-STAR in Emergency Management bearing the hats of EC for Gwinnett County ARES and DEC for Georgia ARES. He is considered to be one of D-STAR's most knowledgeable innovators).

Additionally, there were quite a few other volunteers who worked together to make this happen. We wish to express our thanks to them. The organizations providing support for the New Mexico D-STAR Academy were Sandia National Laboratories ARC, Los Alamos D-STAR Repeater Association, Tech Amateur Radio Association, ARRL's New Mexico Section, Colorado Council of Amateur Radio Clubs, Georgia D-STAR, and Icom America.

The Academy was dismissed in the late afternoon and everyone returned home with a better understanding of the D-STAR protocol and the D-STAR network.

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Monthly Business Meeting

Minutes not available

Monthly Board Meeting

Minutes not available

Treasurer Report

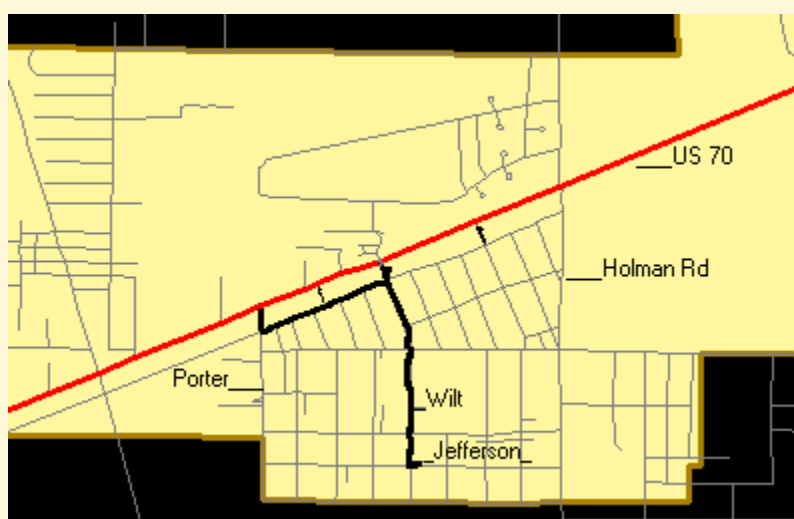
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CLUB INFORMATION

The MVRC Clubhouse is located at the intersection of Wilt and Jefferson. To find the clubhouse, set your destination on your GPS receiver as 32 degrees 22.961 minutes and -106 degrees 41.44 minutes. If you don't own a GPS, take the Porter exit on US 70. It is about 5 miles from the I 25 interchange, near the firehouse. Go south on Porter until you come to Jefferson. There turn left toward the mountains and go to Wilt. You will see the beam on the corner. The treasurer would be delighted to receive your contribution for landscaping and furnishing. More information at <http://n5bl.org>



Officers				
Office	Name	Call	Phone	E-Mail
President	Robert Truitt	KE5OFK	649-4173	robhtruitt@zianet.com
Secretary	Melanie Jack	KD5UZF	202-3363	thedragon@melaniestonejack.com
Treasurer	Kevin McNelis	K5KMC	571-7326	kmcnelis@nmsu.edu
Board Members				
	Terry Angle	AE5XI	640-9669	kf5dns@gmail.com
	Bob Bennett	AD5LJ	382-0148	rpbennett1@comcast.net
	Alex. Burr	K5XY	522-2528	k5xy@arrl.net
	Cash Olsen	KD5SSJ	382-1917	kd5ssj@arrl.net

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JOIN THE CLUB

To join the Mesilla Valley Radio Club, renew your membership, or to support the repeaters, please print, cut out, and complete the form below. Send it with dues (\$35 single, \$45 family per year, add \$10 to receive the newsletter by US mail instead of e-mail) to: Treasurer, MVRC, Box 1443, Las Cruces, NM 88004.

MESILLA VALLEY RADIO CLUB

CALL SIGN(S) _____ FAMILY yes _____ no _____

LICENSE CLASS (E, A, G, T, N) _____

ARRL (Y/N) _____

ARRL VE (Y/N) _____

Would you like to be added to the MVRC reflector? _____

NAME _____

EMAIL _____

STREET ADDRESS _____

CITY & ZIP _____ PHONE _____ (OPTIONAL)

INTERESTS – Computer ___ Contests ___ Digital ___ Elmer ___ Emergency Communications ___ Field Day ___

Packet ___ Programs ___ Public Service ___ Publicity ___ RFI ___ Repeater ___ Social ___ License Classes ___

Teach License Classes ___ Volunteer Examiner ___ Other _____

SINGLE \$35 FAMILY \$45